

## **THESIS ABSTRACT**

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Title : STUDY OF SERUM SODIUM LEVELS IN DECOMPENSATED  
LIVER DISEASE (DCLD) PATIENTS DURING THE PHASE OF  
HEPATIC ENCEPHALOPATHY

Period of: February 2016- July 2016

Study

Institution: Govt Kilpauk Medical College, Chennai

Background : Low serum sodium values have been found in patients with Hepatic Encephalopathy. Serum sodium values have been observed to be Lower with higher Grades of Hepatic encephalopathy. Patients With Chronic liver disease prior to the development of the Complication have stable serum sodium values.

Methods: A cohort study was done with cases of patients in Hepatic Encephalopathy and controls as patients with Chronic liver disease Serum sodium values from both groups were collected and analysed.

Results : Observations revealed that as the mean sodium Values showed a rising Trend there was also an increase in the number of patients with better Grades of Hepatic encephalopathy. While there was a rising trend with Serum sodium levels in patients with encephalopathy, the control group Had stable serum sodium values ,with a significant p value (  $p < .005$ )

Conclusion: Serum sodium values are found to be lower in patients with higher Grades of Hepatic encephalopathy and are observed to have an Increasing trend when patients recover.

Key words: Sodium, Hepatic encephalopathy, Chronic liver disease